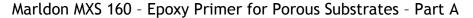
in accordance with 1907/2006/EC, Article 31





Version 2

Revision date: 23rd August 2017

Replaces: version dated 15th February 2017.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

· 1.1 Product identifier:

Trade Name: Marldon MXS 160 Epoxy Primer for Porous Substrates - Part A

- 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
- · Application of the substance / the mixture Primer / Subcoating, Epoxy resin
- · 1.3 Details of the supplier of the safety data sheet

SUPPLIER: Havwoods Accessories Ltd

172 Brierley Road Walton Summit Centre

Preston PR5 8AH

Website: www.marldonuk.com Email: info@marldonuk.com

· 1.4 Emergency telephone number

7am - 5pm Monday to Friday. At all other times please contact your national poisoning centre.

Phone: 01772 696600

2. HAZARDS IDENTIFICATION*

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation

Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

Muta. 2 H341 Suspected of causing genetic defects.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictogram







GHS07 GHS08 GHS09

- · Signal word Warning
- · Contains:

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight).

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· Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

- Supplemental information:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

PBT: Not applicable.vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS*

· 3.2 Mixtures

· Description: Mixture of substances listed below with non-hazardous additions

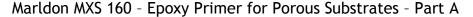
· Dangerous components:			
CAS: 25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy 3		
NLP: 500-033-5	resin (number average molecular weight <700)		
Reg.nr.: 01-2119456619-26-	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2,		
XXXX	H319; Skin Sens. 1, H317		
CAS: 26761-45-5	2,3-epoxypropyl neodecanoate	1- <5%	
EINECS: 247-979-2	Muta. 2, H341; Aquatic Chronic 2, H411; Skin Sens.		
	1, H317		
CAS: 9016-45-9	Polyethylene Glycol Nonylphenyl Ether	1- <5%	
NLP: 500-024-6	Eye Dam. 1, H318; Aquatic Chronic 2, H411; Acute Tox.		
	4, H302; Skin Irrit. 2, H315		

· SVHC

0016 45 0	Delivation and Chical Namidahamid Ethan
9016-45-9	Polyethylene Glycol Nonylphenyl Ether

- Additional information: For the wording of the listed hazard phrases refer to section 16.

in accordance with 1907/2006/EC, Article 31





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4. FIRST AID MEASURES

4.1 Description of first aid measures

General information:

Take affected persons out of danger area and lay down.

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- After swallowing: Do not induce vomiting; call for medical help immediately.
- 4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

Irritating to eyes and skin.

- Information for doctor: No further relevant information available.
- Hazards No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

· Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Carbon dioxide (CO2)

- 5.3 Advice for firefighters
- **Protective equipment:** Wear self-contained respiratory protective device.
- Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

in accordance with 1907/2006/EC, Article 31

Marldon MXS 160 - Epoxy Primer for Porous Substrates - Part A



Version 2

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6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid contact with the eyes and skin.

Ensure adequate ventilation.

- 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

- 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE*

- 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Avoid contact with the eyes and skin.

Pregnant women should strictly avoid inhalation or skin contact.

The usual precautionary measures are to be adhered to when handling chemicals.

- · Information about fire and explosion protection: The product is not flammable.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:

· Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.

· Information about storage in one common storage facility:

Protect from heat and direct sunlight.

Store away from foodstuffs.

Do not store together with oxidising and acidic materials.

Store away from reducing agents.

· Further information about storage conditions:

Protect from frost.

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

Keep indoors.

Storage temperature: +10 °C to +35 °C

• 7.3 Specific end use(s) No further relevant information available.

in accordance with 1907/2006/EC, Article 31





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Replaces: version dated 15th February 2017.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION*

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Pregnant women should strictly avoid inhalation or skin contact.

The usual precautionary measures are to be adhered to when handling chemicals.

- · Respiratory protection: Not necessary if room is well-ventilated.
- · Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Material of gloves

Nitrile rubber, NBR

PVA gloves

Neoprene gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

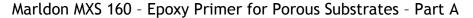
· Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

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9. PHYSICAL AND CHEMICAL PROPERTIES

· 9.1 Information on basic physical and chemical properties

· General Information

Appearance

Form Liquid Colour White

Odour Characteristic

Initial boiling point/boiling range 100°C Flash point >100°C

Explosive properties Product does not present an explosion hazard

Density at 20°C 1.03 g/cm³
Solubility in / Miscibility with water Fully miscible

Viscosity:

Dynamic at 20 °C: 2400 mPas

• 9.2 Other information No further relevant information available.

10. STABILITY AND REACTIVITY

- · 10.1 Reactivity Stable
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions Reacts with acids, alkalis and oxidising agents.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION*

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:				
25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average				
molecular weight < 700)				
Oral	LD50	11400 mg/kg (rat)		
Dermal	LD50	> 2000 mg/kg (rabbit)		
26761-45-5 2,3-epoxypropyl neodecanoate				
Oral	LD50	>9600 mg/kg (rat)		
Dermal	LD50	>3800 mg/kg (rabbit)		
Inhalative	LC50/4 h	5 mg/L (rat)		

· Primary irritant effect:

in accordance with 1907/2006/EC, Article 31

Marldon MXS 160 - Epoxy Primer for Porous Substrates - Part A



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· Skin corrosion/irritation

Causes skin irritation.

· Serious eye damage/irritation

Causes serious eve irritation.

· Respiratory or skin sensitisation

May cause an allergic skin reaction.

- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Suspected of causing genetic defects.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION*

- · 12.1 Toxicity
- · Aquatic toxicity: Toxic to aquatic life with long lasting effects.
- 12.2 Persistence and degradability The product is not easily, but potentially biodegradable.
- 12.3 Bioaccumulative potential May be accumulated in organism
- 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

13. DISPOSAL CONSIDERATIONS*

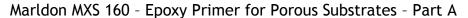
- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

Cured product can be deposited together with domestic waste. Observe the specific related

in accordance with 1907/2006/EC, Article 31





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regulations of local authorities.

· Waste disposal key: UK (WM3): HP4 HP11 HP13 HP14

· European Waste catalogue		
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other	
	hazardous substances	

- · Uncleaned packaging:
- · Recommendation:

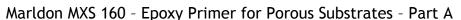
Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product. Non contaminated packagings may be recycled.

14. TRANSPORT INFORMATION*

· 14.1 UN-Number	
· ADR, IMDG, IATA	UN3082
· 14.2 UN proper shipping name	
· ADR	3082 ENVIRONMENTALLY HAZARDOUS
	SUBSTANCE, LIQUID, N.O.S. (bisphenol A epoxy
	resin (number average MW <700))
· IMDG	ENVIRONMENTALLYHAZARDOUS
	SUBSTANCE, LIQUID, N.O.S. (bisphenol A epoxy
	resin (number average MW \leq 700)), MARINE
	POLLUTANT
·IATA	ENVIRONMENTALLYHAZARDOUS
	SUBSTANCE, LIQUID, N.O.S. (bisphenol A epoxy
	resin (number average MW \leq 700))
· 14.3 Transport hazard class(es)	
· ADR	
Alb,	
~ ~	
· Class	9 (M6) Miscellaneous dangerous substances and articles.
· Label	9
· IMDG, IATA	
41p. (F)	
· Class	9 Miscellaneous dangerous substances and articles.
· Label	9

in accordance with 1907/2006/EC, Article 31





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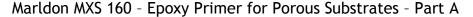
Replaces: Version dated 15" February 2017.	
· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	Product contains environmentally hazardous
	substances: bisphenol A epoxy resin (number
	average MW_<700)
· Marine pollutant:	Yes
marino ponatant.	Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
Special marking (IATA):	Symbol (fish and tree)
• 14.6 Special precautions for user	
· 14.0 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
Danger and (Kamler):	
Danger code (Kemler): EMS Number:	90
	F-A,S-F
· Stowage Category	A
· 14.7 Transport in bulk according to	Not applicable.
Annex II of Marpol and the IBC Code	
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000ml
· Transport category	3
· Remarks	SP375
· IMDG	
· Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000ml
·IATA	quantity por outer pastraging. Toolin
· Remarks	A197
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS
Oit inidadi Negalation .	SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A
	EPOXY RESIN (NUMBER AVERAGE MW ≤700)),
	, , , , , , , , , , , , , , , , , , , ,
	9, III

15. REGULATORY INFORMATION*

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

"CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).

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"REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent

amendments).

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015. HSE EH40/2005 Workplace Exposure Limits (as amended)

- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 46b
- · National regulations:
- · Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

- · Other regulations, limitations and prohibitive regulations
- · Substances of very high concern (SVHC) according to REACH, Article 57

9016-45-9 Polyethylene Glycol Nonylphenyl Ether

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION*

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eve damage.

H319 Causes serious eve irritation.

H341 Suspected of causing genetic defects.

H411 Toxic to aquatic life with long lasting effects.

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity - Category 4

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Dam. 1: Serious eye damage/eye irritation - Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation - Category 1

Muta. 2: Germ cell mutagenicity - Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

^{*} Data compared to the previous version altered.